



Sheet 1 of 1

FORM PTO-1449
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT(S)

Atty Docket No.: 12562/5
Serial No. : 10/679,259
Applicants : John J. Porter, et al.
Filed : 07 October 2003
Group Art Unit : 1744
Examiner : (Unknown)

U.S. PATENT DOCUMENTS

<u>Examiner</u> <u>Initial</u>	<u>Patent</u> <u>Number</u>	<u>Patent</u> <u>Date</u>	<u>Name</u>	<u>Class/</u> <u>Subclass</u>	<u>Filing</u> <u>Date</u>
<u>20</u>	3,592,551	07/13/71	MUGLIA	401/190	
	3,734,106	05/22/73	ZIMMERMAN	132/79 B	
<u>20</u>	5,893,378	04/13/99	LLERENA	132/311	

FOREIGN PATENT DOCUMENTS

<u>Examiner</u> <u>Initial</u>	<u>Document</u> <u>Number</u>	<u>Date</u>	<u>Country</u>	<u>Class/</u> <u>Subclass</u>	<u>Translation</u> <u>Yes No</u>
<u>20</u>	2 790 383	09/08/00	France		X

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner
Initial

EXAMINER

Kathleen J. Turner

DATE CONSIDERED

6/22/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
				Application Number	TO BE ASSIGNED 10/679,259
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	HEREWITH
				First Named Inventor	John J. PORTER et al.
				Group Art Unit	TO BE ASSIGNED
				Examiner Name	Not Yet Assigned
Sheet	1	of	7	Attorney Docket Number	12562/5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
20		5,020,694	06-04-91	Pettengill	
		5,988,444	11-23-99	Williams et al.	
		6,357,449	03-19-02	Chu et al.	
		6,230,935	05-15-01	Mack et al.	
		6,214,321	04-10-01	Lee et al.	
		6,186,363	02-13-01	Keller et al.	
		6,161,729	12-19-00	Gentile et al.	
		6,145,513	11-14-00	Chu et al.	
		6,120,754	09-19-00	Lee et al.	
		6,083,528	07-04-00	Elliesen et al.	
V		6,039,216	03-21-00	Cummings	
		6,039,215	03-21-00	Bell	
		6,036,391	03-14-00	Holliday et al.	
		6,036,057	03-14-00	Poutiatine	
		D416,112	11-02-99	Holliday et al.	
		D415,413	10-19-99	Cummings	
		5,954,231	09-21-99	Durlat et al.	
		5,950,873	09-14-99	Williams et al.	
		5,947,335	09-07-99	Milio et al.	
		5,941,420	08-24-99	Connan	
		5,939,052	08-17-99	White, Jr., et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Kathleen J. Turner	Date Considered	6/22/04
-----------------------	--------------------	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.


Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231431906_1.DOC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete If Known	
				Application Number	TO BE ASSIGNED
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	HEREWITH
				First Named Inventor	John J. PORTER et al.
				Group Art Unit	TO BE ASSIGNED
				Examiner Name	Not Yet Assigned
Sheet	3	Of	7	Attorney Docket Number	12562/5

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
26		US- 5,756,073	05-26-98	Miller, et al.	
		US- 5,699,935	12-23-97	Stahley	
		US- 5,690,913	11-25-97	Hsu, et al.	
		US- 5,665,332	09-09-97	Mundschenk, et al.	
		US- 5,645,193	07-08-97	Gentile, et al.	
		US- 5,616,313	04-01-97	Williams, et al.	
		US- 5,609,271	03-11-97	Keller, et al.	
		US- D373,529	09-10-96	Zogg, et al.	
		US- 5,403,105	04-04-95	Jameson	
		US- 5,335,827	08-09-94	Gentile	
		US- 5,332,124	07-26-94	Cancro, et al.	
		US- 5,289,949	03-01-94	Gentile	
		US- 5,238,151	08-24-93	Weinstein	
		US- 5,236,108	08-17-93	House	
		US- 4,132,359	01-02-79	Nozawa	
20		US- 4,141,471	02-27-79	Nozawa, et al.	
		US- 5,837,167	11-17-98	Lederer	
		US- 5,692,648	12-02-97	Su	
		US- 5,657,930	08-19-97	Battegazzore	
		US- 5,312,046	05-17-94	Knoch, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	6/22/04
-----------------------	---	--------------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231431906_1.DOC

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	TO BE ASSIGNED
				Filing Date	HEREWITH
				First Named Inventor	John J. PORTER et al.
				Group Art Unit	TO BE ASSIGNED
				Examiner Name	Not Yet Assigned
Sheet	4	of	7	Attorney Docket Number	12562/5

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
20 A		US- 5,104,004	04-14-92	von Schuckmann	
		US- 5,018,781	05-21-91	Ten Wolde	
		US- 5,002,228	03-26-91	Su	
		US- 4,938,392	07-03-90	Su	
		US- 4,842,168	06-27-89	Bougamont, et al.	
		US- 4,830,284	05-16-89	Maerte	
		US- 4,324,362	04-13-82	Stansbury, Jr.	
		US- 4,193,551	03-18-80	Saito, et al.	
		US- 4,274,173	06-23-81	Cohen	
		US- 5,323,933	06-28-94	Brakarz, et al.	
		US- 5,348,194	09-20-94	Mascitelli, et al.	
		US- 5,487,378	01-30-96	Robertson, et al.	
		US- 5,526,960	06-18-96	Breidenbach, et al.	
		US- 5,316,194	05-31-94	Sarraf	
		US- 5,560,544	10-01-96	Merritt, et al.	
		US- 5,586,694	12-24-96	Breidenbach, et al.	
		US- 4,185,776	01-29-80	Nozawa	
		US- 6,233,773	05-22-01	Karge, et al.	
		US- 4,543,679	10-01-85	Rosofsky, et al.	
		US- 6,397,858	06-04-02	Cubillo-Buron	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ – Number ⁴ - Kind Code ⁵ (if known)					

Examiner Signature	<i>Kathleen D. Munner</i>	Date Considered	6/22/04
-----------------------	---------------------------	--------------------	---------

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231431906_1.DOC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 5 of 7

Complete If Known

Application Number	TO BE ASSIGNED
Filing Date	HEREWITH
First Named Inventor	John J. PORTER et al.
Group Art Unit	TO BE ASSIGNED
Examiner Name	Not Yet Assigned
Attorney Docket Number	12562/5

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
20		US- 6,145,153	11-14-00	Wehrauch	
		US- 6,099,315	08-08-00	Markowitz	
		US- 5,864,915	02-02-99	Ra	
		US- 5,737,792	04-14-98	Quigless	
		US- D378,695	12-24-96	Tveras	
		US- 5,472,665	12-05-95	Rosofsky, et al.	
		US- 5,438,726	08-08-95	Leite	
		US- 5,396,679	03-14-95	Brown, et al.	
		US- 5,394,584	03-07-95	Breitschmid	
		US- 5,273,425	12-28-93	Hoagland	
20		US- D337,659	07-27-93	Lacy	
		US- 5,224,234	07-06-93	Aesenault, et al.	
		US- 4,961,733	10-09-90	Joseph, et al.	
		US- 4,890,732	01-02-90	Shackelford	
		US- 4,890,349	01-02-90	Nitzsche	
		US- 4,821,752	04-18-89	Widlak	
		US- D284,528	07-08-86	Jurado	
		US- 6,349,442 B1	02-26-02	Cohen et al.	
		US- 5,465,445	11-14-95	Yeh	
		US- 5,465,444	11-14-95	Bigler et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>Kathleen J. Brunner</i>	Date Considered	6/22/04
-----------------------	----------------------------	--------------------	---------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231431906_1.DOC

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

6


of

7

Complete If Known

Application Number	TO BE ASSIGNED
Filing Date	HEREWITH
First Named Inventor	John J. PORTER et al.
Group Art Unit	TO BE ASSIGNED
Examiner Name	Not Yet Assigned
Attorney Docket Number	12562/5

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 5,435,034	07-25-95	Bigler et al.	
		US- 5,383,242	01-24-95	Bigler et al.	
		US- 5,361,446	11-08-94	Rufu	
		US- 5,353,460	10-11-94	Bauman	
		US- 5,339,476	08-23-94	Chang	
		US- 5,321,866	06-21-94	Klupt	
		US- 5,301,381	04-12-94	Klupt	
		US- 5,276,932	01-11-94	Byrd	
		US- 5,088,145	02-18-92	Whitefield	
		US- 5,186,627	02-16-93	Amit et al.	
		US- 5,845,795	07-11-89	Crawford et al.	
		US- 4,827,550	05-09-89	Graham et al.	
		US- D371,242	07-02-96	Shimatsu et al.	
		US- 5,584,593	12-17-96	Lafortune	
		US- 4,228,931	10-21-80	Ruscitti et al.	
		US- 4,783,871	11-15-88	Rich, Jr.	
		US- D426,067	06-06-00	De Melo	
		US- 4,056,110	11-01-77	Landsman	
		US- 4,467,822	08-28-84	Blackwell	
		US- 4,693,622	09-15-87	Booth	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ² - Number ⁴ - Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

6/22/04

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231431906_1.DOC

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	TO BE ASSIGNED		
		Filing Date	HEREWITH		
		First Named Inventor	John J. PORTER et al.		
		Group Art Unit	TO BE ASSIGNED		
		Examiner Name	Not Yet Assigned		
Sheet	7	of	7	Attorney Docket Number	12562/5

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
[Signature]		US- 4,482,263	11-13-84	Palamara	
		US- 5,304,009	04-19-94	Marshall	
		US- 5,681,065	10-28-97	Rua, Jr. et al.	
		US- 5,755,523	05-26-98	Seydel	
		US- 5,846,010	12-08-98	Barbalich	
		US- 6,058,469	05-02-00	Algori	
		US-368,373	04-02-96	Shimatsu et al.	
		US-283,375	04-15-86	Rothrock	
		US- 6,397,860	06-04-01	Hill, II	
		US-6,331,088	12-18-01	Owens	
[Signature]		US-5,893,378	04-13-99	Llerena	
		US-5,842,487	12-01-98	Ledet	
		US-4,434,916	03-06-84	Ruscitti et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
Examiner Signature	[Signature]		Date Considered	6/22/04	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231470836_1.DOC